

Application Serial No. 10/691,930

CLAIMS

1. (Currently amended) An apparatus for presenting a composite image conveying eye contact with a conference participant, comprising:
- 5 a composite image generator communicatively coupled with at least two members of an imaging device collection, for repeatedly receiving an image from each image device in said collection at approximately a same time to provide a synchronized image collection of said images based upon observations of said participant by said at least two members of said imaging device collection, said
- 10 image generator including means for determining a rectifying transformation associated with each of said imaging device collection members;
- wherein said composite image generator is communicatively coupled to a motion video portal for providing a succession of said composite images based upon at least said synchronized image collection for presentation to a video
- 15 delivery system;
- wherein said video delivery system presents a second participant with a motion video stream conveying eye contact generated by said motion video portal based upon said composite image succession.
2. (Original) An apparatus that conveys eye contact with a conference participant, comprising:
- means for generating a composite image of said participant receiving at least two images of said participant;
- wherein each image is comprised of a two-dimensional array of pixels ;
- 25 wherein said means for generating said composite image is comprised of:
- means for calculating at least one dense correspondence to determine a displacement in at least a first dimension for each of said pixels in at least one first of said images;
- means for generating an interpolated image based upon said at least one
- 30 dense correspondence for each of said at least two images.

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3. (Original) The apparatus of Claim 2, further comprising:
means for combining at least two of said interpolated images by using an averaging scheme to create said composite image.
- 5 4. (Original) The apparatus of Claim 2, wherein said means for generating said interpolated image further comprises:
means for displacing each of said pixels in said image pixel arrays by a partial displacement in at least a first dimension.
- 10 5. (Original) The apparatus of Claim 3, wherein said means for combining said interpolated images, is further comprised of:
means for combining corresponding pixels in said at least a second dimension to create said composite image pixel;
wherein a sum of said partial displacements of said images is
15 approximately equal to said displacement.
6. (Original) The apparatus of Claim 2, further comprising:
means for applying a rectifying transformation to said image.
- 20 7. (Original) The apparatus of Claim 2, further comprising:
means for warping said image by said partial displacement to modify said image.